

## HEAVY EQUIPMENT MECHANIC I

### Class Definition

Under close supervision, maintains and repairs heavy equipment including City trucks, construction equipment, refuse trucks, and other vehicles and equipment.

### Distinguishing Characteristics

Heavy Equipment Mechanic I is an entry level class for candidates qualified to learn the duties of a Heavy Equipment Mechanic II. Used in the Fleet Management Division of the Department of Administrative Services, incumbents apply previously acquired mechanical skills while learning the special skills required to maintain heavy construction, vehicle and mechanical equipment. While in this class, incumbents will not achieve permanent status within the classified service, as defined in Fresno Municipal Code Section 2-1601.1(p)(5).

This class differs from Heavy Equipment Mechanic II in that the latter is the journey level class in which incumbents are experienced in the diagnosis, maintenance and repair of heavy vehicles and equipment. It differs from Equipment Service Worker II in that incumbents of the latter perform routine and more repetitive maintenance duties. This series differs from the Light Equipment Mechanic series in that the focus of the latter is on automotive equipment. It differs from the Bus Mechanic series in that the focus of the latter is on buses and related transit equipment.

### Typical Tasks

(This list is neither inclusive nor exclusive. Consequently, this information may not reflect Essential Functions for this class.)

Performs regularly scheduled maintenance on heavy equipment, such as oil, filters and fluid changes.

Performs minor repairs and replaces components on City trucks, construction equipment, refuse trucks and related equipment.

Learns the disassembly, reassembly, removal, installation, overhaul and repair of heavy-duty engines and transmissions.

Learns the maintenance and repair of air, hydraulic and electric brake systems.

Responds to road calls to repair automotive and mechanical equipment.

Tests and inspects heavy-duty engines, transmissions, electrical systems, air compressors and other sub-systems.

Learns to install, repair, and replace ignition systems, transmissions and other parts.

Learns to diagnose malfunctioning heavy-duty engines, transmissions and related sub-systems.

Learns to disassemble and overhaul internal combustion engines, pumps, generators, transmissions, clutches and rear ends.

Performs related duties as required.

*Knowledge, Abilities, and Skills*

Knowledge of the methods, materials, and equipment used in the diagnosis, maintenance and repair of heavy-duty engines, transmissions, electrical systems, air compressors and other sub-systems.

Knowledge of the operating principles of heavy-duty engines and engine driven sub-systems.

Knowledge of the occupational hazards and safety precautions of the trade.

Ability to learn to diagnose malfunctioning mechanical systems and related sub-systems.

Ability to understand and carry out written and oral instructions.

Skill in the proper use of the tools and equipment used in heavy equipment maintenance and repair.

*Minimum Qualifications*

One year of experience as an Equipment Service Worker II with the City of Fresno and possession of valid certification by the National Institute for Automotive Service Excellence (ASE) in the following truck service areas: Gasoline Engines, Diesel Engines, and Electrical Systems.

*Special Requirement*

Possession of a valid Class B California Driver's License will be required.

After one year of experience, a Heavy Equipment Mechanic I may be promoted to Heavy Equipment Mechanic II upon the recommendation of the appointing authority and possession of valid ASE certification in the following truck service areas: Gasoline Engines, Diesel Engines, Electrical Systems, Drive Train, Brakes, and Suspension and Steering. An incumbent must obtain this certification within 18 months following appointment, or he/she will revert to the class of Equipment Service Worker II.

APPROVED: \_\_\_\_\_  
Director

DATE: \_\_\_\_\_